

Emerson Radio

REPAIR OF COUPLATES

Whenever possible couplates should be repaired instead of replaced. This practice could readily become a time saving factor.

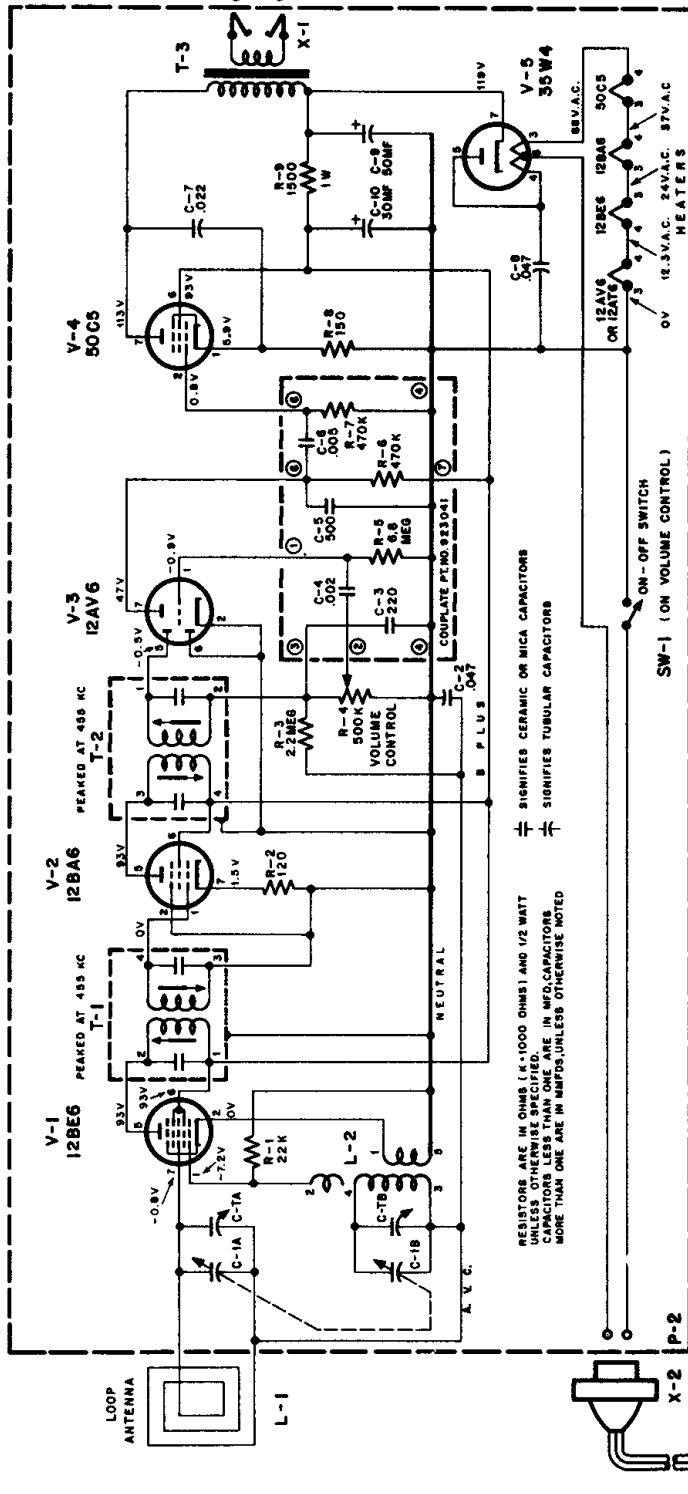
Example #1
Shorted .005 mfd condenser C-6.
Clip off pin 6 of couplate from printed board. This removes C-6 and R-7 from the circuit.

Insert a regular 470K ohm ½ watt resistor from B-neutral (Pin 4 of Couplate) to pin 2 of V-4 and a regular .005 mfd 400V condenser from pin 2 of V-4 to pin 5 of Couplate.

Example #2
Open R-7 470K ohm resistor. Insert regular 470K ohm ½ watt resistor across pins 4 and 6 of Couplate.

MODELS 851B, 870B,
874B

CHASSIS 120363A



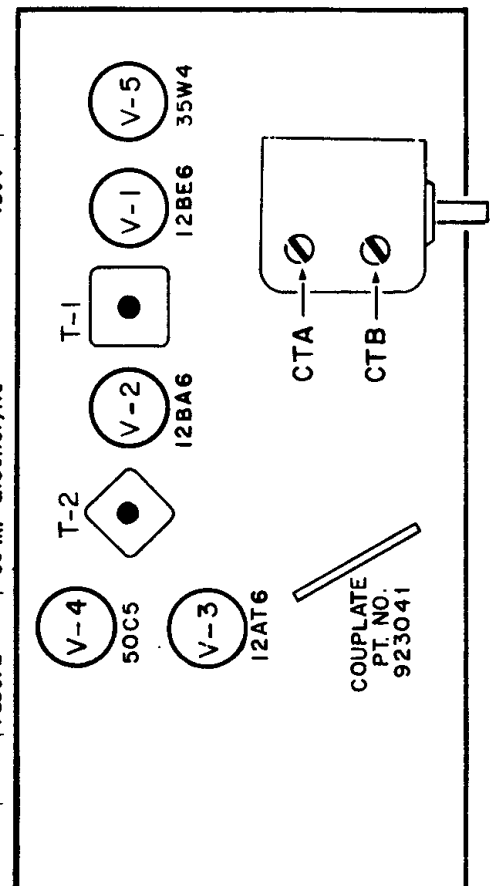
SYM.	PART NO.	DESCRIPTION
C-10	Pt. of C-9	30 MF Electrolytic
R-1	340812	22,000 OHM - Carbon ± 10%
R-2	340272	120 OHM - Carbon ± 10%
R-3	351292	2.2 MEG OHM - Carbon ± 20%
R-4	390448	500,000 OHM - Volume Control
R-8	340292	150 OHM - Carbon ± 10%
R-9	380532	1,500 OHM - Carbon ± 20%
L-1	700118	Loop Antenna & Back Assembly
L-2	716108	Oscillator Coil
T-1	720294	1st I.F. Transformer
T-2	720295	2nd I.F. Transformer
T-3	734138	Audio Output Transformer

SYMBOL	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7
V-1	12BE6	22K	1.0Ω	32Ω	22Ω	*1500Ω	*1500Ω	3MEG
V-2	12BA6	15Ω	0	32Ω	42Ω	*1500Ω	*1500Ω	120Ω
V-3	12AT6 or 12AV6	6.8MEG	0	0	22Ω	500K	0	*470K
V-4	50C5	150Ω	470K	42Ω	93Ω	500K	*1500	*140Ω
V-5	35W4	N.C.	N.C.	85Ω	120Ω	125Ω	115Ω	†1 MEG

† Wait for meter to settle (about 30 seconds).

* Resistances measured to Pin 7 of 35W4 (Bt).

RESISTANCE READINGS



TUBE AND TRIMMER LOCATION